

Title (en)

Hydraulic control system for continuously variable transmission for automotive vehicle.

Title (de)

Hydraulische Steuerung für den stufenlos veränderlichen Antrieb eines Fahrzeuges.

Title (fr)

Commande hydraulique pour la transmission continue d'un véhicule.

Publication

**EP 0234541 A2 19870902 (EN)**

Application

**EP 87102540 A 19870223**

Priority

- JP 3757486 A 19860222
- JP 3757686 A 19860222

Abstract (en)

A hydraulic control system for a continuously variable transmission for an automotive vehicle, the transmission having a first and a second pulley provided on respective first and second shafts, a belt connecting the first and second pulleys, and a first and a second hydraulic cylinder for changing effective diameters of the first and second pulleys. The control system includes a shift-control valve (44) receiving a first line pressure from said pressure source (42) through a first pressure line (50), and applying the first line pressure to one of the cylinders, while simultaneously permitting a flow of the fluid from the other cylinder. A second pressure line (52) is connected to the shift-control valve to receive therefrom a pressure of the fluid flowing from above-indicated other cylinder. A pressure regulating valve (58; 132) regulates the pressure in the second pressure line, as a second line pressure lower than said first line pressure. The control system further includes at least one one-way by-pass line or restricted by-pass line which connects the second pressure line to at least one of the two cylinders, respectively. Each by-pass line permits a flow of the fluid from the second pressure line to the corresponding cylinder, or a restricted flow of the fluid between the second pressure line and the hydraulic cylinder.

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